REPORT OF ACTIVITIES
OF THE
DEPARTMENT OF WATER RESOURCES

by

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WATER CONDITIONS

February was the wettest month of Water Year 2007 (October 1, 2006 through February 28, 2007), with a series of storms that brought widespread precipitation to the northern and central portions of the State, along with significant snowfall to the Sierra. However, after near-normal precipitation in Northern California during December, January 2007 was the driest January since 1991. As a result, all hydrologic indicators, other than reservoir levels, which have carryover storage from the very wet Water Year of 2006, are well below average. As of March 1, Water Year 2007 statewide hydrologic conditions were as follows: precipitation, 70 percent of average to date; runoff, 55 percent of average to date; and reservoir storage, 105 percent for the date. On March 1, the statewide snow pack was about 70 percent of average for the date and about 60 percent of an April 1 average (the usual date of maximum accumulation). The snowpack increase during February was about 1.5 times of normal, but this was not enough to eliminate the deficit of January. On February 28, the Northern Sierra 8-Station Index had a seasonal total of 29.6", which is about 85 percent of the seasonal average to date and about 59 percent of average for an entire Water Year (50.0"). During February 2007, the 8-Stations had about 13.5" of precipitation or about 169 percent of the monthly average. Precipitation in February ranged from about 150 percent of normal in the Sacramento Basin to about 100 percent of normal in the Tulare Lake Region. In general, seasonal precipitation during this water year has been below average, especially in Central and Southern California.

Summary of Water Conditions in California, March 1, 2007 (percent of average)

Hydrologic Region	Precip Oct 1-date	Snow Water Content	Reservoir Storage 28-Feb	Runoff Oct 1-date	Runoff Apr thru Jul Forecast	Runoff Water Year Forecast
North Coast	90	95	105	65	70	65
San Francisco Bay	85	--	85	30	--	--
Central Coast	60	--	120	15	--	--
South Coast	35	--	90	25	--	--
Sacramento River	75	70	100	60	70	65
San Joaquin River	75	70	115	40	65	60
Tulare Lake	60	55	100	45	55	50
North Lahontan	65	65	135	70	60	65
South Lahontan	35	45	105	95	60	60
Colorado River	5	--	--	--	--	--
Statewide	70	70	105	55	65	65
Last Year, Statewide						
March 1, 2006	120	85	120	160	100	115

The projected median April-July snowmelt runoff for the State's water supply basins now ranges from 85 percent (Shasta Lake inflow) to 46 percent (Kern River). Sacramento River unimpaired runoff observed through February 28 was 4.9 million acre-feet (MAF), which is about 59 percent of average. (On February 28, 2006, the observed Sacramento River unimpaired runoff was 13.6 MAF or about 162 percent of average.) The median Sacrament River unimpaired runoff forecast rose from about 10.6 MAF (57 percent of average) on February 1 to about 12.1 MAF (65 percent of average) on March 1. The

median forecasts of the Sacramento and San Joaquin Valley Water Year Type indexes are “Below Normal” and “Dry,” respectively.

Selected Cities Precipitation Accumulation as of 03/01/2007 (National Weather Service Water Year: July through June)					
	Jul 1 to Date 2006 - 2007 (in inches)	% Avg	Jul 1 to Date 2005 - 2006 (in inches)	% Avg	% Avg Jul 1 to Jun 30 2006 - 2007
Eureka	28.95	105	41.40	150	75
Redding	18.51	78	30.75	129	55
Sacramento	9.67	65	15.77	106	48
San Jose	7.79	71	11.28	103	51
Fresno	4.52	58	6.20	80	40
Bakersfield	2.12	49	2.65	61	32
Los Angeles	2.42	22	7.32	67	15
San Diego	3.30	44	2.59	34	30

Key Reservoir Storage (1,000 AF) as of 03/01/2007 midnight								
Reservoir	River	Storage	Avg Storage	% Average	Capacity	% Capacity	Flood Control Encroachment	Total Space Available
Trinity Lake	Trinity	1,902	1,854	103	2,448	78	---	546
Shasta Lake	Sacramento	3,786	3,382	112	4,552	83	-223	766
Lake Oroville	Feather	2,997	2,530	118	3,538	85	87	541
New Bullards Bar Res	Yuba	744	624	119	966	77	-52	222
Folsom Lake	American	594	556	107	977	61	48	383
New Melones Res	Stanislaus	2,002	1,442	139	2,420	83	32	418
Don Pedro Res	Tuolumne	1,646	1,437	115	2,030	81	-44	384
Lake McClure	Merced	658	535	123	1,025	64	-17	367
Millerton Lake	San Joaquin	210	346	61	520	40	-122	310
Pine Flat Res	Kings	513	534	96	1,000	51	-309	487
Isabella	Kern	222	180	123	568	39	-28	346
San Luis Res	(Offstream)	1,895	1,763	107	2,039	93	---	144

Approximately 25 percent of the wet season remains and several large storms could quickly bring rainfall up to normal. However, the chances of recovery to a near average water year are decreasing as the wet season passes. Fortunately, the last few water years had above average precipitation and runoff, so ground water levels are near normal values. Many of the large water supply reservoirs in the foothills of the Central Valley are near flood control levels and cannot store additional water.

The latest National Weather Service Climate Prediction Center (CPC) 90-Day long-range seasonal weather outlook (for March through May), issued February 15, suggests below average-to-average precipitation for all of California. The CPC expects a better than average chance for average to above average temperatures for most of the State. The latest CPC long-range weather for March, issued February 28, suggests below average rainfall for Southern California and above average rainfall for Northern California. Average to above average temperatures are forecast for the entire State.

LEVEE EVALUATIONS

The newly formed levee evaluations branch was created to perform geotechnical levee evaluations on about 350 miles of urban levee. An urban levee is defined as protecting

at least 10,000 people. The geotechnical levee evaluations will focus on the urban project levees in geographic areas of RD 17, Natomas, West Sacramento, Marysville, Woodland, Davis, Stockton, Maintenance Area 9, the American River, Sacramento, the Sutter Basin, and Reclamation District (RD) 784. This program will later expand to other areas within the Sacramento and San Joaquin Flood Control Projects with the Bond funding.

The purpose of these evaluations is to assist in developing a levee certification program based on geotechnical data, provide consistent formats for data (and associated data exchange), and provide an evaluation of the levee system based on geotechnical data. This evaluation will be conducted with the goal of providing 200-year level of protection in urban areas and the design profile level of protection in rural areas using the U.S. Army Corps of Engineers (the Corps) under seepage criteria.

The following activities occurred during the past month:

1. The West Sacramento Phase 2 drilling operations are complete.

2. A seismic vulnerability approach is being performed for the levee evaluations. This is an essential first step to getting an idea of the order of magnitude of seismic risk with regards to levees.

3. The third meeting of the Independent Consulting Board (Ray Seed, George Sills, and Chris Groves) was held on February 21st and 22nd, 2007. Major findings of the board are to consider variable factors of safety based on risk and consequence of levee failures, treat boils as serious problems that must be mitigated, and general agreement with the technical approach to seismic vulnerability.

4. The Corps has reviewed and commented on work plans for West Sacramento, RD 17 and Marysville.

5. The Department of Water Resources (DWR) and the Corps held workshops for RD's and flood control officials on February 27, 28 and March 1, 2007. The purpose of these meetings was to disseminate information concerning the levee evaluations, floodplain mapping, and the Corps projects in the urban areas. These meetings were held at the Joint Operations Center. The RD's requested The Reclamation Board participation in these meetings.

6. Drilling work, predominantly setting piezometers, continues in Marysville and RD 17,

7. Task orders to start work in Natomas and Sutter County were signed in February. Drilling should start in early March in these areas.

8. In mid March, a Lidar survey of the urban levees is to be performed. This is a helicopter-based survey and will provide detailed information concerning ground surface elevations. Products from this survey include digital photos and video, bare ground elevation contours at 0.5-foot intervals, and raw data that may be used by others for vegetation surveys.

EROSION REPAIRS

Erosion repair program updates are as follows (detailed information is included on tables in Appendix 1):

2006 Critical Sites to be Constructed in 2007
The regulatory agencies issue of relocating eight Elderberry bushes existing at Sutter Slough and Bear River repair sites to a Wildlands Inc. commercial site was resolved. Out of the ten DWR-led sites, Phase 1 construction work on eight sites is complete. Phase 2 designs on these eight sites are in progress. The remaining two sites on Cache Creek are in the design stage. Construction on six Corps-led sites is complete and eight are under construction. Phase 2 site restoration work will start in May 2007.

2006 PL 84-99 Rehabilitation Assistance Program
Phase 1 construction on 38 Order 1 and Order 2 sites is complete. DWR is providing construction oversight to Brannan Andrus Levee Maintenance District (BALMD) for the remaining five sites and the Corps is continuing construction at two sites. Two sites, Butte Creek (DWR) and RD 1602 (Corps) are in design.

Reclamation Board Permits for Intakes at Repair Sites
During the 2006 and 2007 construction repairs at 33 original and 24 new critical sites, a total number of 13 Intakes were affected. Work agreements with eight owners for modifications have been worked out by DWR. Work Agreements with the remaining five owners are being negotiated. As these intakes are supposed to be in operation for the irrigation season in mid-April, Reclamation Board permits will be needed in March and April.

Delta Emergency Operations Plan

DWR is currently in the process of developing a Delta specific Emergency Response Plan (EOP). Within the past 25 years, DWR and other local, State, and federal agencies have undertaken a wide range of planning activities to address the potential consequences of levee failure in the Delta. This EOP will document the results of these existing plans and procedures and is intended to answer the short-term question, “If there is a large-scale emergency in the Delta today, what can DWR do?”

The timeline for the work activities necessary to develop a Delta specific EOP is illustrated below in Figure 1. The work is divided into two key phases, and the first phase was completed by March 2, 2007. The timeline also includes ongoing support activities that are related to enhancing DWR’s Delta emergency response capabilities.

These ongoing projects are scheduled to continue indefinitely, however, since they will incorporate information from the EOP development they are scheduled to begin after the initial phases of the EOP work. Finally, the design of actual fixed facilities are shown on this timeline to indicate that initial long-term Delta risk reduction structures can begin after the completion of the EOP.

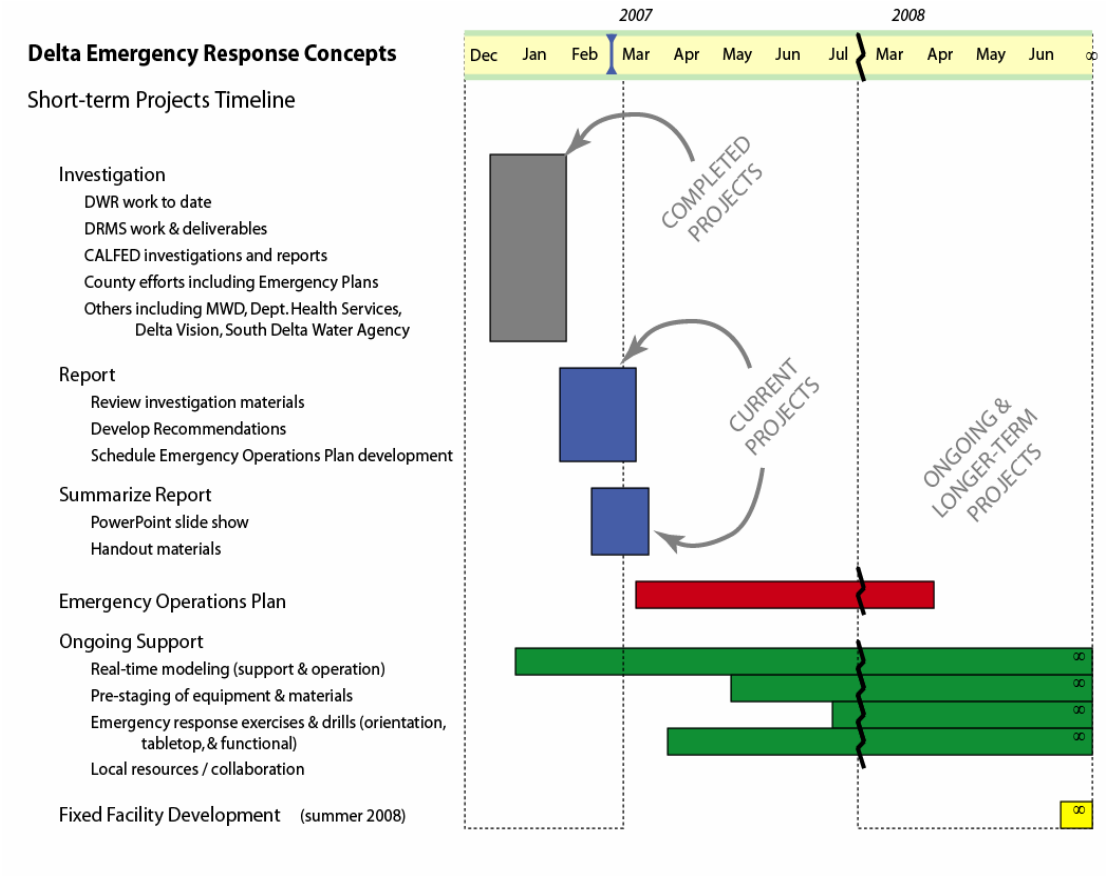

Figure 1: Delta Emergency Response Concepts Timeline.

Phase 1: Investigation & Concept Paper

Numerous previously developed emergency plans, procedures, and concept papers dealing with different types of responses to emergencies and disasters in the Delta have been reviewed in an initial discovery process (Figure 2). Based on these documents specific actions that can be taken to reduce the impact of a Delta levee failure disaster have been identified and pulled together as a response "tool-kit" (Figure 3). A description of a worst case Delta emergency and detailed explanations of the various responses included in the tool-kit are to be included in a Delta Emergency Response Concepts Paper.

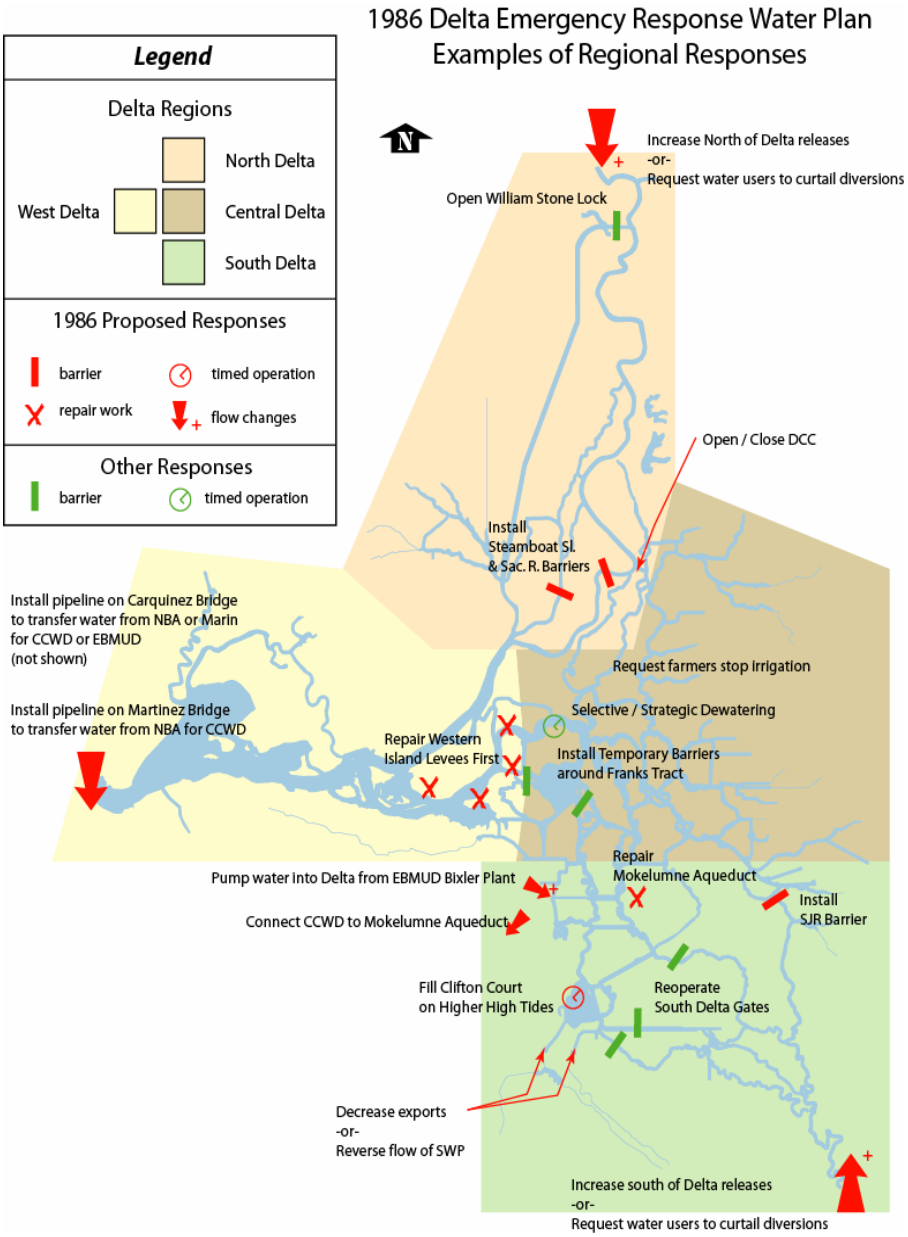

Figure 2: Example of DWR Responses from 1986 "Sacramento-San Joaquin Delta Emergency Water Plan" and Responses from Other Reports.

Response Action	Region(s) Affected	Responsible Party	Constraints	Comments on Action
IMMEDIATE RESPONSE ACTIONS (First day)				
GENERAL AND LIFE SAFETY				
Activate SEMS Functions within DWR		DWR, Division of Flood Management	Director must make Mobilization Declaration	This will be a Delta-wide effort. During an event of this scale, DWR will likely be coordinating with the 5 Delta counties, Levee Maintaining Agencies, the OES REOC, the Corps of Engineers, and USBR. As needed, DFM will send representatives to OES' SOC and REOC and establish liaison with the Corps, CDF, and CCC.
Mobilize emergency response crews and incident command teams		DWR, Division of Flood Management, Division of Operations and Maintenance		Work with CDF, CYA, CCC, etc
Activate Flood Operations Center	Sacramento	DWR, Division of Flood Management		The FOC coordinates with OES' Inland Regional Operations Center when a Delta emergency occurs. The FOC is also the link to the field response level and to the Corps of Engineers.
Activate Delta Area Command Center	Local	DWR Central District		Activate in accordance with Central District's Delta Area Command Center Operations Manual. Coordinate closely with FOC.
Coordinate with local, states, federal, and private entities		DWR, Division of Flood Management, Division of Operations and Maintenance		This will be a Delta-wide effort. During an event of this scale, DWR will likely be coordinating with the 5 Delta counties, Levee Maintaining Agencies, the OES REOC, the Corps of Engineers, and USBR.
Utilize aerial reconnaissance of Delta to determine extent of flooding		DWR, Division of Flood Management	Light, weather, cloud cover; aircraft availability	Should be prearranged.
Utilize the Response Information Management System (RIMS) California Levee Database to report and update all levee incidents.	Sacramento	DWR, Flood Operations Center		

Figure 3: Example of Some Responses from the Concepts Paper Tool-Kit.

Though the tool-kit is being designed to collect options that can be used in response to a large-scale event, DWR's response to smaller scale events will also benefit from the ideas presented in the Concepts Paper. For a smaller-scale event, actions described in the tool-kit can be selectively or partially implemented.

The Delta Emergency Response Concepts Paper is focused on DWR's role, responsibilities, and the actions it can intact in response to a Delta levee failure disaster. The general scope of the disaster used in the Concepts Paper is a large-scale earthquake initiated failure that was also used in some of the Delta Risk Management Strategies (DRMS) project technical papers. Although both projects are based on the same event, the focus of the Concepts Paper is to address actions that can be enacted today, while the DRMS work is focused on identifying longer-term actions that can be enacted to reduce the risk of such a disaster in the Delta.

A rough draft of this paper has been completed and is undergoing review. A final version of this paper is scheduled to be completed in March 2007. In addition to completion of the Delta Emergency Response Concepts Paper, a presentation summarizing the paper will be completed in March and used in the second phase of the development a Delta ERP.

Phase 2: Development of a Delta Emergency Operations Plan

Based on the completed Concepts Paper, DWR will engage its partners in local, state, and Federal government and in the private sector to develop a detailed EOP for responding to levee failure events, stabilizing the system, and facilitating recovery. The EOP will be consistent with California's Standardized Emergency Management System

(SEMS). Through the process of developing the EOP, DWR will develop recommendations for improving the preparedness and capabilities for response and recovery.

A comprehensive EOP will have the following benefits:

- Clarification of the roles and responsibilities for preparedness, response, and recovery with DWR.

- Strengthening of partnerships with the Governor's Office of Emergency Services (OES), Operational Area lead agencies and other local government entities, Federal agencies, and others in the context of the response to a disaster in the Delta.

- Clarification of DWR's role within the Standardized Emergency Management System (SEMS), as it pertains to a disaster in the Delta.

- Better definition of actions beyond immediate efforts to save lives and protect property, such as measures to protect and stabilize the water supply; and the coordination of these actions through SEMS.

- Compliance with the National Incident Management System (NIMS), thereby ensuring consistency with national preparedness initiatives and enhancing cooperation with Federal agencies.

Ongoing Support

In addition to developing an EOP, DWR's ability to reduce the potential consequences of levee failure in the Delta will also be addressed by DWR through several other ongoing support activities. These activities include the enhancement of real-time decision support tools (such as numerical computer models), the strategic pre-staging of equipment and materials in the Delta, running emergency response exercises and drills, and continued collaboration with partner agencies and entities.

Though DWR has experience with fighting normal floods (both due to high water events, such as in 2006, and unexpected levee failures, such as during the 2004 Jones Tract event), the scale of the levee failures being considered will not only tax DWR's manpower, but also try the normal tools that would be used to response to the event. The short-term changes within the estuary will be so significant that most of the modeling tools used to forecast water levels and salinity within the Delta may not be able to handle the quick intrusion of seawater into the Delta. New models and modeling approaches are currently being developed to address the engineering problems associated with providing useful forecasts to water decision makers in a timely fashion following a large-scale levee failure.

The pre-staging of equipment and materials needs to wait for the completion of the first phase of the EOP development, as a large-scale event could limit the access of emergency response teams to utilize anything that is placed in a site that might be

compromised during the event. The EOP will aid DWR in finding appropriate locations for stockpiles and centers to better coordinate the flood fight.

The application of traditional flood fight materials, including rock, sandbags, and sheet walls and of drought mitigation measures, such as rock barriers, will benefit knowledge gained from both prior experience and non-flood related long-term Delta improvement projects (such as DWR's South Delta Improvements Program). Previous work has shown that there are locations within the Delta that act as choke points that can be used to help control the flow within the estuary. However, prior experience and long-term planning projects are typically limited to replicating historical events. Since the scope of the EOP is designed around a large-scale levee failure, conducting table top emergency exercises and modeling drills will give DWR greater experience in handling such a situation. Overtime, the lessons learned from these exercises can be archived and turned to during an actual levee failure.

TISDALE BYPASS CHANNEL REHABILITATION PROJECT

Staff is working on answering comments on the Initial Study and Mitigated Negative Declaration. These documents will be finalized on March 14, 2007. Staff is also working with the regulatory agencies to quickly answer questions concerning permitting so that the July 2007 construction start can still be met.

Land and Right of Way continues negotiations with several landowners concerning the use of property for the spoil of sediment. DWR's preferred alternative will minimize impacts to actively farmed property. Those that are impacted will be returned to active agricultural production as soon as possible.

Staffs from DFM and DOE-Land and Right of Way have met several times over the last month with RD 1660 and Sutter Mutual Water Company staff, to discuss several technical issues related to irrigation operations on adjacent farmland. Of particular concern is the need to keep some irrigation return ditches dry during the construction period, both RD 1660 and SMWC have been cooperative in finding ways to accomplish this task.

GARMIRE BRIDGE REPLACEMENT PROJECT

Construction of the Garmire Bridge Replacement Project will likely be delayed one season because federal funds cannot be secured until, at the earliest, this June and possibly as late as September. Because there are no excess funds in the federal subventions program, only projects that were deemed "ready to go" were listed for funding in the current fiscal year, which began in October 2006. Because rights-of-way had not yet been secured, this project was not considered ready for construction at the beginning of the current federal fiscal year. The project will be considered for inclusion in this year's plan when the board of the Sacramento Area Council of Governments meets in March. Once they approve of proceeding with the project, a number of reviews will be conducted by various agencies to ensure the project is in compliance

with local air quality and transportation plans. Once the reviews are completed, Caltrans will authorize federal funding for the project and Sutter County can then advertise the project for bidding. Even if this approval is provided during the summer, the plan is to wait to advertise until the November/December timeframe. It is expected that a lower bid will be received from contractors if they can bid the project closer to the time construction will actually commence (next spring) rather than bidding the project this summer for materials and equipment that would not be used until the following two construction seasons.

FLOOD PROJECT INTEGRITY AND INSPECTION BRANCH

DFM's Flood Project Integrity and Inspection Branch provides engineering support in the assessment of hydrologic, hydraulic and geotechnical performance to evaluate system performance and rehabilitation of the Sacramento and the San Joaquin River Flood Control systems levees, channels, and related structures in support of DWR's responsibilities under Water Code Sections 8360, 8370, 8371, and 12878. The Flood Project Integrity and Inspection Branch provides technical support and recommendations to The Reclamation Board on site-specific levee integrity issues, maintenance area formation, and enforcement of unauthorized encroachment violations. The Branch performs visual inspections to ensure that levees, channels, and related structures are operated and maintained in accordance with the Code of Federal Regulations Title 33, Section 208.10.

Recent Accomplishments

In April of 2006, the Flood Project Integrity and Inspection Branch implemented a new inspection program to satisfy the requirements of the Code of Federal Regulations (CFR) Section 208.10 governing non-federal sponsors of federal flood control projects. Section 208.10 requires that the flood control project features be inspected four times per year. DWR continued to perform its annual spring and fall inspections, and the new inspection program required the Levee Maintaining Agencies (LMAs) to perform the other two inspections, one in the summer and one in the winter, and report their findings to DWR. The intent of the new program was to satisfy the regulations and to improve LMAs participation in the maintenance and reporting to DWR of the conditions of their projects. DWR is also developing a new inspections database in early 2007 to streamline the documentation and reporting of flood control project conditions and maintenance activities. Our goal is to provide timely, accurate information that can be used now and in the future to monitor and maintain the system, including during high water and emergency response events.

DWR has been working closely with the U.S. Army Corps of Engineers (Corps) on the sharing and updating of flood control project documentation. The Corps project operation and maintenance manuals are being updated to reflect current conditions, but need to be evaluated for their concurrence with environmental policies on acceptable vegetation. DWR is also working closely with the LMAs and Corps to evaluate recent federal guidance (referred to as Memo 43) that impacts the inspection program and

LMA eligibility status for flood damage rehabilitation assistance under Public Law 84-99 (PL 84-99).

Memo 43

On September 25, 2006, the Federal Emergency Management Agency (FEMA) released Procedure Memorandum No. 43 – Guidelines for Identifying Provisionally Accredited Levees (Memo 43). Subsequently, on September 26, 2006, the Corps released an internal policy guidance memorandum to provide direction and to establish the priority for use of Inspection of Completed Works (ICW) inspection funds during Fiscal Year 2007. Memo 43 has direct implications to FEMA certification, and Corps internal policy guidance on the ICW program has the potential to deny local maintaining agency (LMA) eligibility status for flood damage rehabilitation assistance under Public Law 84-99 (PL 84-99) if the minimum acceptable level of maintenance cannot be sustained. The Corps has published a list of 42 California LMAs having inadequate maintenance and that will lose their PL 84-99 rehabilitation eligibility if their maintenance deficiencies are not corrected and verified prior to April 2007.

Recent joint (Corps, DWR, LMA) verification inspections of identified levee maintenance deficiencies reaffirm the Corps high expectations for levee maintenance and confirm LMA inability to perform adequate levee maintenance on a consistent basis. Some key maintenance deficiencies that have been consistently identified through these ongoing inspections are: brush and vegetation on levee slope; excessive trees not pruned to standards; rodent activity; lack of access; minor erosion; and many unauthorized encroachments along with a lack of adequate maintenance on authorized encroachments. Although some of the deficiencies have the potential to be corrected within the Corps one-year grace period and retain PL 84-99 eligibility, other LMA deficiencies will require environmental agency negotiations or Reclamation Board enforcement assistance that extends beyond this grace period.

Impacts of the Corps' PL 84-99 policy directive on the DWR inspection program include:

- Additional verification inspections are required on an ongoing basis. LMA rated as fair, poor, or unsatisfactory which have corrected the deficiencies that got them on the list need verification inspections to retain or regain their PL 84-99 protection.

- A training program for inspectors and LMAs must be created and implemented, leading to uniform conformance with the somewhat more strict requirements being applied by the Corps in their evaluations of flood project maintenance.

- Because of conflicts between Corps requirements for removal of vegetation and the Department of Fish and Game and U.S. Fish and Wildlife Services prohibitions against removal of vegetation on flood project levees, significant environmental policy negotiations will be needed to develop reasonable vegetation standards for the California levee system. DWR may act as the mediator in the negotiations between the LMAs, the Corps, and the

environmental agencies with the goal being to establish standards that are consistent with balancing environmental protection with flood control. In the meantime, DWR will develop and follow interim vegetation guidelines that conform to environmental policies and provide improved maintenance. Protected vegetation will need to be inventoried and documented for future negotiations with the environmental agencies.

Deficient LMAs

Joint verification inspections have been completed for sixteen of the identified LMA deficiencies and four more are scheduled. These verifications were performed where the Corps and DWR had conflicting inspection ratings and for LMAs that were minimally deficient and warranted an additional field review. As a result of these joint verification inspections, a total of seven LMAs will retain their PL 84-99 eligibility, and those remaining on the Corps list will be allowed a one-year grace period to correct the deficiencies and retain PL 84-99 eligibility. The remaining unverified LMAs have undergone a DWR screening process to determine risk severity, evaluate maintenance history, and identify potential issues that prevent deficiency correction. The LMAs with the ability to correct the deficiencies using their own resources will be separated from those needing assistance with environmental policy restrictions or Reclamation Board enforcement of unauthorized encroachments.

The criteria used to screen these deficient projects are as follows:

1. Severity – Severity is based on the type of protection the project provides as related to lives and property/infrastructure at risk. In addition, the nature of deficiencies as they relate to structural integrity is important to delineate.
2. Magnitude/Scale of Project – This relates to factors such as size of LMA or number of miles affected, cost to restore the levee to adequate maintenance standards and annual maintenance cost thereafter compared to the annual benefit received by the protected area, ability and willingness of LMA to pay for levee restoration and maintain thereafter, and the financial effects for the levee not being eligible under PL84-99.
3. Environmental or Right of Way Issues – The concern here is identifying the reason for deferred maintenance. Do environmental regulations related to brush and vegetation clearing, encroachment enforcement issues, or access issues affect the LMAs ability to perform maintenance?
4. History – The history of maintenance deficiencies not being addressed by LMA is also an important factor to consider.

Maintenance Compliance Process

All ineligible LMAs will be required to submit an action plan that clearly demonstrates how the deficiencies will be corrected. The action plan is to be submitted within 90 days for Corps and DWR approval. Some action plans will be more complex and require close interaction with environmental agencies and the Reclamation Board to correct the deficiencies. Each action plan will include a timeline for corrective measures to be completed. Notification letters will be issued to the appropriate land use agency that the

LMA has a changed PL 84-99 eligibility status. This notification will also include the approved action plan, LMA inspection status, and maintenance history documentation.

The time period needed to correct maintenance deficiencies could vary depending on several factors. Conflicts exist between Corps maintenance requirements for removal of vegetation and both the Department of Fish and Game and U.S. Fish and Wildlife Service prohibitions against vegetation removal on flood project levees. Significant environmental policy negotiations will be needed to develop reasonable vegetation standards for the California levee system. DWR may act as the mediator in the negotiations between the LMAs, the Corps, and the environmental agencies with the goal being to establish standards that are consistent with balancing environmental protection with flood control. Unauthorized encroachments and right-of-way access issues also complicate maintenance activities. The Reclamation Board may need to engage its enforcement authority to remove unauthorized encroachments that the LMA cannot resolve. Additional right-of-way acquisitions will provide access to existing private land to allow maintenance and flood fight operations to occur.

If the LMA cannot resolve the identified deficiencies within a reasonable period of time, or if they fail to complete the approved action plan, the Maintenance Area (MA) formation process is initiated in accordance with Water Code Sections 12878 through 12878.21. The formation process consists of:

- Develop a Statement of Necessary Work, including the first two years' operational budget
- Develop the regional MA boundary
- Begin the public hearing process, which allows an adjoining LMA or public entity to provide maintenance services
- Create the assessment district to fund the maintenance activities

The MA formation process is initiated to comply with Water Code Section 12878, and to notify the local agencies that maintenance deficiencies exist and need to be corrected. Formation of a State MA is only one possible solution. The deficient LMA is provided the opportunity to correct the deficiencies if they are willing and able to do so. The possible outcomes of the MA formation process consist of:

- LMA provides improved maintenance within existing budget and resources
- LMA provides improved maintenance with additional Proposition 218 assessment resources
- State MA is formed to correct the deficiencies
- Formal Corps decertification of the project feature

In summary, DWR will follow these steps to achieve improved maintenance:

- Obtain LMA Action Plans
- Identify time period required to correct problems
- Send notification letter to appropriate land use agency indicating LMA inspection status, maintenance history, and PL 84-99 eligibility
- If maintenance obligations are not met in a reasonable time frame, MA formation process begins as outlined above

2007 FLOOD MANAGEMENT LEGISLATION

AB 5 (Wolk) Flood Protection: local plans
This bill would require priority for state funds to be given to local agencies that have adopted a local plan of flood protection. This bill would also prohibit local governments in the central valley from approving new developments within high-risk flood prone areas unless "appropriate levels of flood protection are met."
Introduced 12/04/06.

AB 26 (Nakanishi) Flood Control: natural community conservation plan
This bill would require the Department of Fish and Game to enter into a Natural Community Conservation Planning (NCCP) agreement with The Reclamation Board for the purpose of preparing a plan that encompasses the Sacramento and San Joaquin Drainage District. NCCP would seek to provide conservation of multiple wildlife species while exempting flood control or management activity identified in the NCCP from existing notification requirements for streambed alteration agreements.
Introduced 12/04/06.

AB 41 (La Malfa) Water Resources: bond proceeds
This bill would declare the intent of the Legislature that the funds derived from Propositions 1E and 84, consistent with the intent of the voters, be expended in the most cost-efficient and effective manner and, to the greatest extent possible, to address the state's critical lack of adequate surface water storage. The bill specifically identifies Temperance Flat and Sites as holding the greatest promise for providing new surface storage.
Introduced 12/04/06.

AB 70 (Jones) Flood Liability
This bill would provide that liability for property damage or personal injury shall rest jointly with all state and local public entities that participate in the design, construction, operation, or maintenance of a flood control project when the flood control project fails to function as intended and causes property damage or personal injury in areas historically subject to flooding.

Amended 02/21/07.

AB 156 (Laird) Flood Control
This bill would require DWR to prepare a schedule for mapping areas at risk of flooding; prepare a status report on the State Plan of Flood Control; notify property owners of flooding hazards; prepare maps for levee flood protection zones; require local agencies to prepare reports on the condition of project levees in their jurisdiction; require local agencies to adopt flood safety plans as a condition for receiving State funds for levee upgrades; allow DWR to participate in the design of environmental enhancements associated with federal flood control projects and in the construction of environmental enhancements for which the State is authorized to participate; and clarify maintenance area formation procedures.
Introduced 01/18/07.

AB 162 (Wolk) Land Use: water supply
The bill would require land use elements to identify and annually review those areas covered by city and county general plans that are subject to flooding as identified by floodplain mapping prepared by FEMA or DWR and would require, upon the next revision of the housing element, on or after January 1, 2008, the conservation element of the general plan to identify rivers, creeks, streams, flood corridors, riparian habitat, and land that may accommodate floodwater for purposes of groundwater recharge and stormwater management.
Introduced 01/22/07.

AB 930 (Jones) Flood Management
This bill would revise existing requirements for the content of planning documents prepared for flood control projects by expanding references to multipurpose objectives to include regional objectives. In addition, the bill would express legislative intent that the Governor establishes a flood plain management task force to examine matters relating to state and local flood plain management.
Introduced 02/22/07.

AB 1380 (Ruskin) Grant Program Guidelines
This urgency bill would declare the intent of the Legislature to enact legislation establishing guidelines for grant programs funded by Propositions 1E and 84.
Introduced 02/23/07.

AB 1452 (Wolk) Central Valley Flood Protection
This bill would prohibit the Reclamation Board from approving funding for any flood protection project that narrows flood channels or reduces the capacity of the flood protection system in the Sacramento-San Joaquin Valley to convey water. The bill would declare that it is the policy of the state that the expenditure of funds for flood protection in the Sacramento-San Joaquin Valley reflects specified priorities. The bill would require DWR to correct deficiencies in flood protection facilities that present an imminent risk of failure and threaten human life.
Introduced 02/23/07.

AB 1507 (Emmerson) Alluvial Fan Task Force
This bill would require the director to establish the Alluvial Fan Task Force to review the state of knowledge regarding alluvial fan floodplains and to prepare recommendations relating to alluvial fan floodplain management. The director would be authorized to enter into an interagency agreement with an appropriate agency to oversee the task force. The task force would be required to develop a model ordinance on alluvial fan flooding. The task force would be required to prepare and submit a report to the Legislature not later than December 30, 2008. These described duties would be required to be carried out only to the extent funding is made available for those purposes from the federal government or private sources. The expenditure of state funds to carry out the bill's provisions would be prohibited.
Introduced 02/23/07.

SB 5 (Machado) Flood Management
This bill would declare the intent of the Legislature to develop a comprehensive integrated flood policy that addresses all aspects of flood management, including changes in land use planning and the need for a State Plan of Flood Control. The bill would state the intent of the Legislature to establish and clarify the roles and responsibilities of specified entities for managing flood risk and to invest bond funds consistent with those roles and responsibilities.
Introduced 12/04/06.

SB 6 (Oropeza) Flood Control
This bill would require, as a condition for approval of new subdivisions, that the subdivision applicant have considered existing climate predictions regarding ocean levels.
Introduced 12/04/06.

SB 17 (Florez) Flood Protection
This bill would rename the Reclamation Board the Central Valley Flood Protection Board, specify membership and prescribe duties, add evidentiary hearing provisions, add conflict of interest requirements for board members, and require a report on the status of the State Plan of Flood Control.
Introduced 12/04/06.

SB 27 (Simitian) Clean Drinking Water, Water Supply Security and Environmental Improvement Bond Act of 2007
This bill would require the Secretary of State to submit the Clean Drinking Water, Water Supply Security, and Environmental Improvement Bond Act of 2007 to voters for approval to finance a water conveyance and environmental improvement program with General Obligation bonds in the amount of $5 billion.
Introduced 12/04/06.

SB 34 (Torlakson) User Fees and Assessments: Sacramento-San Joaquin Delta flood control

This bill would declare legislative intent to authorize the Reclamation Board, in consultation with DWR, to establish a beneficiary pays system and to collect user fees and assessments for levee maintenance and other flood control purposes in the delta. The bill would declare legislative intent that a significant portion of the state bond funds approved in Proposition 1E be appropriated in conjunction with the beneficiary pays system.
Introduced 12/04/06.

SB 59 (Cogdill) Reliable Water Supply Bond Act of 2008.
This bill would require the Secretary of State to submit the Reliable Water Supply Bond Act of 2008 to voters for approval to finance a water supply program with General Obligation bonds in the amount of $3.95 billion.
Introduced 01/11/07.

SB 276 (Cox) Folsom Dam Modification Project
This bill would adopt and authorize, at an estimated cost to the state of the sum that may be appropriated by the Legislature for state participation, the project to modify Folsom Dam adopted and authorized by Congress in an unspecified provision of federal law, and as modified by an unspecified addendum to that prescribed report prepared by the Sacramento Area Flood Control Agency.
Introduced 02/15/07.

SB 378 (Steinberg) Disaster Preparedness and Flood Prevention Bond Act of 2006
This bill would amend various provisions of Proposition 1E and require expenditures for levee repair projects to be deemed to be in response to an emergency for purposes of the Public Contract Code; require all contracts for those projects to provide for the payment of extra compensation to the contractor as a completion bonus; and require DWR, when evaluating levees and facilities pursuant to a specified project, to include an evaluation of the risk of the levees and facilities failing due to a seismic event.
Introduced 02/21/07.

SB 732 (Steinberg) Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006.
This bill would amend Proposition 84 and require DWR to develop project solicitation and evaluation guidelines for grants; require that inspections and evaluations of flood control projects include seismic evaluations; declare that floodplain mapping, flood control project evaluations and Delta flood control projects are conducted in response to an emergency; allow for bonus payments for early contract completion; require a study on reoperating the state water supply facilities; and, develop a real-time flood forecasting model.
Introduced 02/23/07.

SB 1002 (Perata) Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006.

This bill would appropriate funds from Proposition 84 including $15 million to DWR to complete feasibility studies associated with new surface storage under the California Bay-Delta Program and $15 million to DWR for the development of a plan for reoperation of the state's flood protection and water supply systems.
Introduced 02/23/07.

SCA 2 (Simitian) Clean Drinking Water, Water Supply Security, and Environmental Improvement Bond Act of 2007
This measure would establish requirements for the amendment or repeal of a bond measure designated as the "Clean Drinking Water, Water Supply Security, and Environmental Improvement Bond Act of 2007" (SB 27 – Simitian) to be submitted to the voters at an unspecified statewide election.
Introduced 12/04/06.

APPENDIX 1

EROSION REPAIR SUMMARY

2005 CRITICAL SITES - UNDER CONSTRUCTION IN 2006

Site No.	Designation	Watercourse	Milepost / Marker	County	RD / MA	Primary Beneficiary	CELERP / PL84-99	Approx. Len. (ft)	Repair Type	Est. Cost of Repair	Project Status	Lead Agency	Constr Start	Constr* Complete
1	SAC26.9L	Sacramento	26.9	Sacramento	RD 554	Urban	2005 Critical	528	Bank Repair	$ 4,896,664	Constr. Complete	USCOE		10/31/2006
2	SAC32.5R	Sacramento	32.5	Sacramento	RD 349	Agricultural	2005 Critical	2350	Bank Repair	$ 13,102,242	Constr. Complete	DWR	6/30/2006	9/24/2006
3	SAC34.5R	Sacramento	34.5	Yolo	RD 150	Agricultural	2005 Critical	623	Bank Repair	$ 5,750,411	Constr. Complete	USCOE		10/31/2006
4	SAC49.6L	Sacramento	49.6	Sacramento	MA 9	Urban	2005 Critical	298	Bank Repair	$ 1,977,160	Constr. Complete	USCOE		10/31/2006
5	SAC49.9L	Sacramento	49.9	Sacramento	MA 9	Urban	2005 Critical	268	Bank Repair	$ 2,204,847	Constr. Complete	USCOE		10/31/2006
6	SAC50.2L	Sacramento	50.2	Sacramento	MA 9	Urban	2005 Critical	1473	Bank Repair	$ 9,405,103	Constr. Complete	USCOE		10/31/2006
7	SAC50.4L	Sacramento	50.4	Sacramento	MA 9	Urban	2005 Critical	329	Bank Repair	$ 1,987,959	Constr. Complete	USCOE		10/31/2006
8	SAC56.7L	Sacramento	56.7	Yolo	City of Sac.	Urban	2005 Critical	1673	Bank Repair	$ 11,426,101	Constr. Complete	USCOE		10/31/2006
9	SAC69.9R	Sacramento	69.9	Yolo	RD 827	Agricultural	2005 Critical	1550	Bank Repair	$ 7,567,060	Constr. Complete	DWR	7/7/2006	10/27/2006
10	SAC72.2R	Sacramento	72.2	Yolo	RD 1600	Agric/Urban	2005 Critical	1728	Bank Repair	$ 15,872,001	Constr. Complete	USCOE		10/31/2006
11	SAC85.6R	Sacramento	85.6	Yolo	RD 730	Agric/Urban	2005 Critical	1348	Bank Repair	$ 9,711,070	Constr. Complete	DWR	6/28/2006	9/25/2006
12	SAC99.3R	Sacramento	99.3	Yolo	RD 108	Agric/Urban	2005 Critical	397	Bank Repair	$ 3,256,839	Constr. Complete	USCOE		10/31/2006
13	SAC123.5L	Sacramento	123.5	Sutter	RD 70	Agricultural	2005 Critical	524	Bank Repair	$ 4,302,851	Constr. Complete	USCOE		10/31/2006
14	SAC130.8R	Sacramento	130.8	Colusa	Westside LD	Agricultural	2005 Critical	470	Bank Repair	$ 4,852,797	Constr. Complete	DWR	7/14/2006	10/22/2006
15	SAC141.4R	Sacramento	141.4	Colusa	Westside LD	Agricultural	2005 Critical	2381	Bank Repair	$ 15,803,732	Constr. Complete	DWR	7/14/2006	10/28/2006
16	SAC145.9L	Sacramento	145.9	Colusa	DWR	Agricultural	2005 Critical	1207	Setback	$ 3,141,508	Constr. Complete	DWR	7/21/2006	10/15/2006
17	SAC164.0R	Sacramento	164.0	Colusa	MA 1	Urban	2005 Critical	1000	Bank Repair	$ 5,842,878	Constr. Complete	DWR	7/14/2006	10/25/2006
18	BEA2.4L	Bear	2.4	Sutter	RD 1001	Agric/Urban	2005 Critical	1150	Bank Repair	$ 4,098,049	Constr. Complete	DWR	6/28/2006	9/13/2006
19	BEA10.1R	Bear	10.1	Yuba	RD 2103	Agric/Urban	2005 Critical	917	Bank Repair	$ 3,690,643	Constr. Complete	DWR	6/28/2006	9/13/2006
20	CAC0.8L	Cache Creek	LM 0.8	Yolo	DWR	Urban	2005 Critical	965	Setback	$ 318,426	Constr. Complete	DWR		10/31/2006
21	CAC1.1L	Cache Creek	LM 1.1	Yolo	DWR	Urban	2005 Critical	862	Setback	$ 820,614	Constr. Complete	DWR		10/31/2006
22	CAC2.4L	Cache Creek	LM 2.4	Yolo	DWR	Urban	2005 Critical	893	Setback	$ 452,273	Constr. Complete	DWR		10/31/2006
23	CAS21.8R	Cache Slough	21.8	Solano	RD 2060	Agricultural	2005 Critical	2455	Bank Repair	$ 9,047,654	Constr. Complete	DWR	6/30/2006	10/6/2006
24	STE16.2R	Steamboat Sl.	16.2	Solano	RD 501	Agricultural	2005 Critical	330	Bank Repair	$ 1,829,121	Constr. Complete	DWR	6/30/2006	10/20/2006
25	SAC20.8L	Sacramento	20.8	Sacramento	RD 556	Agricultural	2005 Critical	660	Bank Repair	$ 3,256,693	Constr. Complete	DWR	6/30/2006	10/23/2006
26	SAC26.5L	Sacramento	26.5	Sacramento	RD 554	Urban	2005 Critical	837	Bank Repair	$ 5,306,461	Constr. Complete	DWR	6/30/2006	10/11/2006
27	SAC56.8R	Sacramento	56.8	Yolo	RD 900	Urban	2005 Critical	770	Bank Repair	$ 4,519,506	Constr. Complete	DWR	7/7/2006	10/28/2006
28	SAC154.5R	Sacramento	154.5	Colusa	MA 1	Agricultural	2005 Critical	1289	Bank Repair	$ 7,987,443	Constr. Complete	DWR	7/14/2006	10/27/2006
29	CAS16.5L	Cache Slough	16.5	Solano	RD 501	Agricultural	2005 Critical	495	Bank Repair	$ 1,818,837	Constr. Complete	DWR	6/30/2006	10/23/2006
30	SAC43.3R	Sacramento	43.3	Yolo	RD 307	Agric/Urban	2005 Critical	895	Bank Repair	*$ 7,296,026*	Constr. Complete	DWR	10/5/2006	11/18/2006
31	SAC56.1R	Sacramento	56.1	Yolo	RD 900	Urban	2005 Critical	970	Bank Repair	*$ 4,442,303*	Constr. Complete	DWR	10/5/2006	11/30/2006
32	BUC14.0R	Butte Creek	LM 14.0	Butte	MA 5	Agric/Urban	2005 Critical	1005	Bank Repair	*$ 4,486,991*	Constr. Complete	DWR	10/5/2006	11/9/2006
33	SAC53.1L	Sacramento	53.1	Sacramento	City of Sac.	Urban	2005 Critical	1170	Bank Repair	*$ 8,935,461*	Constr. Complete	USCOE		1/10/2007
								33810		$ 189,407,724				
										USACE	$ 70,015,397			
										DWR	$ 119,392,327			

*** Soil and plantings to be completed during Spring and Summer 2007**

2006 CRITICAL SITES - TO BE CONSTRUCTED 2007

Site No.	Designation	Watercourse	River Mile	County	RD / MA	Primary Beneficiary	CELERP / PL84-99	Approx. Len. (ft)	Repair Type	Est. $$ of Repair	Project Status	Lead Agency	Design Complete	Constr Start	Constr Phase I Complete	Constr Phase II Complete
1	BEA1.2L	Bear River	1.2L	Sutter	RD 1001	Agric/Urban	2006 Critical	1133	Bank Repair	$ 3,000,000	Phase I Complete	DWR		12/4/2006	1/12/2007	9/12/2007
2	CAC3.9L	Cache Creek	3.9L	Yolo	DWR	Agric/Urban	2006 Critical	430	Setback/Landside	$ 1,688,700.00	Design pending	DWR	Phase 1 Design followed by Phase 2 Final Repair			
3	CAC4.2L	Cache Creek	4.2L	Yolo	DWR	Agric/Urban	2006 Critical	325	Setback/Landside	$ 1,276,300.00	Design pending	DWR	Phase 1 Design followed by Phase 2 Final Repair			
4	SAC16.9L	Sacramento	16.9L	Sacramento	BALMD	Agric/Urban	2006 Critical	210	Bank Repair	$ 1,317,600.00	Contract Awarded	USCOE		1/31/2007	3/30/2007	7/31/2007
5	SAC33.0R	Sacramento	33.0R	Yolo	RD 349	Agricultural	2006 Critical	326	Bank Repair	$ 2,045,400.00	Contract Awarded	USCOE		1/31/2007	3/30/2007	7/31/2007
6	SAC33.3R	Sacramento	33.3R	Yolo	RD 349	Agricultural	2006 Critical	235	Bank Repair	$ 1,474,400.00	Contract Awarded	USCOE		1/31/2007	3/30/2007	7/31/2007
7	SAC43.7R	Sacramento	43.7R	Yolo	RD 307	Agric/Urban	2006 Critical	1090	Bank Repair	$ 6,838,700.00	Contract Awarded	USCOE		1/31/2007	3/30/2007	7/31/2007
8	SAC44.7R	Sacramento	44.7R	Yolo	RD 307	Agricultural	2006 Critical	1585	Bank Repair	$ 9,944,300.00	Contract Awarded	USCOE		1/31/2007	3/30/2007	7/31/2007
9	SAC47.0L	Sacramento	47.0L	Sacramento	MA 9	Urban	2006 Critical	1156	Bank Repair	$ 7,252,800.00	Contract Awarded	USCOE		1/31/2007	3/30/2007	7/31/2007
10	SAC47.9R	Sacramento	47.9R	Yolo	RD 307	Agricultural	2006 Critical	1031	Bank Repair	$ 6,468,500.00	Contract Awarded	USCOE		1/31/2007	3/30/2007	7/31/2007
11	SAC48.2R	Sacramento	48.2R	Yolo	RD 307	Agricultural	2006 Critical	1039	Bank Repair	$ 6,518,700.00	Contract Awarded	USCOE		1/31/2007	3/30/2007	7/31/2007
12	SAC62.5R	Sacramento	62.5R	Yolo	RD 537	Urban	2006 Critical	255	Bank Repair	$ 1,599,900.00	Contract Awarded	USCOE		1/31/2007	3/30/2007	7/31/2007
13	SAC68.9L	Sacramento	68.9L	Sacramento	RD 1000	Urban	2006 Critical	786	Bank Repair	$ 4,931,400.00	Contract Awarded	USCOE		1/31/2007	3/30/2007	7/31/2007
14	SAC70.7R	Sacramento	70.7R	Yolo	RD 827	Agric/Urban	2006 Critical	606	Bank Repair	$ 3,802,100.00	Phase I Complete	DWR		11/15/2006	1/12/2007	9/12/2007
15	SAC71.7R	Sacramento	71.7R	Yolo	RD 1600	Agric/Urban	2006 Critical	492	Bank Repair	$ 3,086,900.00	Phase I Complete	DWR		11/15/2006	1/12/2007	9/12/2007
16	SAC73.0R	Sacramento	73.0R	Yolo	RD 1600	Agric/Urban	2006 Critical	50	Bank Repair	$ 313,800.00	Phase I Complete	DWR		11/15/2006	1/12/2007	9/12/2007
17	SAC78.0L	Sacramento	78L	Sacramento	RD 1000	Agric/Urban	2006 Critical	1058	Bank Repair	$ 6,637,900.00	Contract Awarded	USCOE		1/31/2007	3/30/2007	7/31/2007
18	SAC99.5R	Sacramento	99.5R	Yolo	RD 108	Agric/Urban	2006 Critical	622	Bank Repair	$ 3,902,500.00	Phase I Complete	DWR		11/15/2006	1/12/2007	9/12/2007
19	SAC182.0R	Sacramento	182.0R	Glenn		Agricultural	2006 Critical	4100	Bank Repair	$ 15,000,000.00	Phase I Complete	DWR		11/15/2006	1/12/2007	9/12/2007
20	STE19.0R	Steamboat Slough	19.0R	Solano	RD 501	Agricultural	2006 Critical	552	Bank Repair	$ 3,463,300.00	Contract Awarded	USCOE		1/31/2007	3/30/2007	7/31/2007
21	STE19.4R	Steamboat Slough	19.4R	Solano	RD 501	Agricultural	2006 Critical	272	Bank Repair	$ 1,706,600.00	Contract Awarded	USCOE		1/31/2007	3/30/2007	7/31/2007
22	STE22.7R	Steamboat Slough	22.7R	Sacramento	RD 349	Agricultural	2006 Critical	210	Bank Repair	$ 1,317,600.00	Contract Awarded	USCOE		1/31/2007	3/30/2007	7/31/2007
23	SSL24.8L	Sutter Slough	24.8L	Sacramento	RD 349	Agricultural	2006 Critical	834	Bank Repair	$ 5,232,600.00	Phase I Complete	DWR			1/12/2007	9/12/2007
24	SSL25.4R	Sutter Slough	25.4R	Solano	RD 999	Agricultural	2006 Critical	931	Bank Repair	$ 5,841,100.00	Phase I Complete	DWR		11/15/2006	1/12/2007	9/12/2007
								19328		$ 104,661,100	[2]					
							USCOE	9805 +/- LF			USCOE	$ 61,517,100.00				
							DWR	9523 +/- LF			DWR	$ 43,144,000.00				

2006 PL84-99 ORDER-1 SITES (SR WATERSHED)

Site No.	Designation	Watercourse	Milepost / Marker	County	RD / MA	Primary Beneficiary	CELERP / PL84-99	Approx. Len. (ft)	Repair Type	Est. $$ of Repair	Project Status	Lead Agency	Design Start	Design Complete	Constr Start	Constr Phase I Complete	Constr Phase II Complete
1	20051230-002-002	Steamboat Slough		Sacramento	RD 3		PL99 Order-1	140		$ 261,621	Contract Awarded	USCOE		11/3/2006	1/15/2007		
2	20051230-002-004	Steamboat Slough		Sacramento	RD 3		PL99 Order-1	205		$ 488,652	Contract Awarded	USCOE		11/3/2006	1/15/2007		
3	20051230-002-005	Steamboat Slough		Sacramento	RD 3		PL99 Order-1	129		$ 231,903	Contract Awarded	USCOE		11/3/2006	1/15/2007		
4	20051230-002-007	Steamboat Slough		Sacramento	RD 3		PL99 Order-1	30		$ 185,035	Contract Awarded	USCOE		11/3/2006	1/15/2007		
5	20051230-002-023	Sacramento		Sacramento	RD 3		PL99 Order-1	198		$ 335,675	Contract Awarded	USCOE		11/3/2006	1/15/2007		
6	20051230-002-034	Sacramento		Sacramento	RD 3		PL99 Order-1	66		$ 233,121	Contract Awarded	USCOE		11/3/2006	1/15/2007		
7	20051230-002-038	Sacramento		Sacramento	RD 3		PL99 Order-1	148		$ 415,817	Contract Awarded	USCOE		11/3/2006	1/15/2007		
8	20051230-002-042	Sacramento		Sacramento	RD 3		PL99 Order-1	280		$ 407,292	Contract Awarded	USCOE		11/3/2006	1/15/2007		
9	20051230-005-007	Sacramento	Unit 4	Yolo	RD 999	U-Clarksburg	PL99 Order-1	303		$ 1,142,097	In Constuction	USCOE		9/28/2006	12/1/2006	1/31/2007	
10	20051230-005-008	Sacramento	Unit 4	Yolo	RD 999	U-Clarksburg	PL99 Order-1	148		$ 667,159	In Constuction	USCOE		9/28/2006	12/1/2006	1/31/2007	
11	20051230-005-009	Sacramento	Unit 4	Yolo	RD 999	U-Clarksburg	PL99 Order-1	200		$ 785,788	In Constuction	USCOE		9/28/2006	12/1/2006	1/31/2007	
12	20051230-039-001	Sacramento		Sacramento	BALMD		PL99 Order-1	3600	Bank Scour	$ 14,400,000	In Constuction	DWR			1/31/2007	4/30/2007	9/12/2007
13	20051230-039-002	Sacramento		Sacramento	BALMD		PL99 Order-1	100	Bank Scour	$ 400,000	In Constuction	DWR			1/31/2007	4/30/2007	9/12/2007
14	20051230-039-003	Sacramento		Sacramento	BALMD		PL99 Order-1	220	Bank Scour	$ 880,000	In Constuction	DWR			1/31/2007	4/30/2007	9/12/2007
15	20051230-039-004	Sacramento		Sacramento	BALMD		PL99 Order-1	85	Bank Scour	$ 340,000	In Constuction	DWR			1/31/2007	4/30/2007	9/12/2007
16	20051230-039-005	Sacramento		Sacramento	BALMD		PL99 Order-1	75	Bank Scour	$ 300,000	In Constuction	DWR			1/31/2007	4/30/2007	9/12/2007
17	20051230-039-006	Sacramento		Sacramento	BALMD		PL99 Order-1	145	Bank Scour	$ 580,000	In Constuction	DWR			1/31/2007	4/30/2007	9/12/2007
18	20051230-039-007	Sacramento		Sacramento	BALMD		PL99 Order-1	170	Bank Scour	$ 680,000	In Constuction	DWR			1/31/2007	4/30/2007	9/12/2007
19	20051230-039-008	Sacramento		Sacramento	BALMD		PL99 Order-1	125	Bank Scour	$ 500,000	In Constuction	DWR			1/31/2007	4/30/2007	9/12/2007
20	20051230-039-009	Sacramento		Sacramento	BALMD		PL99 Order-1	230	Bank Scour	$ 920,000	In Constuction	DWR			1/31/2007	4/30/2007	9/12/2007
21	20051230-039-010	Sacramento		Sacramento	BALMD		PL99 Order-1	210	Bank Scour	$ 840,000	In Constuction	DWR			1/31/2007	4/30/2007	9/12/2007
22	20051230-039-011	Sacramento		Sacramento	BALMD		PL99 Order-1	300	Bank Scour	$ 1,200,000	In Constuction	DWR			1/31/2007	4/30/2007	9/12/2007
23	20051230-039-012	Sacramento		Sacramento	BALMD		PL99 Order-1	260	Bank Scour	$ 1,040,000	In Constuction	DWR			1/31/2007	4/30/2007	9/12/2007
24	20051230-039-013	Sacramento		Sacramento	BALMD		PL99 Order-1	300	Bank Scour	$ 1,200,000	In Constuction	DWR			1/31/2007	4/30/2007	9/12/2007
25	20060404-001-004	Lower San Joaquin	LM 1.63	Fresno	LSJLD - Unit24	Firebaugh	PL99 Order-1		LB Boil Repair	$ 155,999	Phase I Complete	DWR	In Phase II Design		11/23/2006	12/14/2006	
26	20060404-001-005	Lower San Joaquin	LM 1.68	Fresno	LSJLD - Unit24	Firebaugh	PL99 Order-1		LB Boil Repair	$ 156,486	Phase I Complete	DWR	In Phase II Design		11/23/2006	12/14/2006	
27	20060404-001-020	LSJ - Chowchilla		Madera			PL99 Order-1		LB Boil Repair	$ 186,861	Phase I Complete	DWR	In Phase II Design		11/23/2006	12/14/2006	
28	20060404-001-021	LSJ - Chowchilla		Madera			PL99 Order-1		LB Boil Repair	$ 419,082	Phase I Complete	DWR	In Phase II Design		11/23/2006	12/14/2006	
29	20051230-008-001	Sutter Bypass	Unit 2	Sutter	RD1500		PL99 Order-1	400	LB Boil Repair	$ 841,866	In Constuction	USCOE		9/6/2006	11/1/2006	1/30/2007	
30	20051230-014-001	Yuba River	LM 1.17	Yuba	RD 10		PL99 Order-1	150	Right Bank	$ 715,533	Constr. Complete	USCOE		9/5/2006	11/6/2006	12/8/2006	
31	20051230-036-001	Dry Creek	LM 0.26	Yuba	RD 2103		PL99 Order-1	450	Left Bank Eros.	$ 2,235,232	Constr. Complete	USCOE		9/5/2006	10/31/2006	12/8/2006	
32	20051230-036-002	Dry Creek	LM 0.26	Yuba	RD 2103		PL99 Order-1	200	LB Boil Repair	$ 748,325	Constr. Complete	USCOE		9/5/2006	10/31/2006	12/8/2006	
33	20051230-019-001	Sutter Bypass	LM 0.55	Sutter	RD 70		PL99 Order-1	150	Right Bank Eros.	$ 1,069,871	Constr. Complete	USCOE		9/5/2006	11/7/2006	12/8/2006	
34	20051230-025-002	Feather River		Yuba	RD 784		PL99 Order-1	4 relief wells	LtBank, PS #3	$ 105,077	Constr. Complete	USCOE		9/5/2006	10/12/2006	12/15/2006	
35	20051230-025-003	Feather River	LM 12.7	Yuba	RD 784		PL99 Order-1	400	V-ditch, PS #2	$ 617,407	Constr. Complete	USCOE		9/5/2006	10/12/2006	12/15/2006	
36	20051230-034-002	Butte Creek	Unit 1: LM 0.8	Butte	RD 40 / MA 5		PL99 Order-1	40	Left Bank	$ 160,000	In Design	DWR					
37	20051230-034-003	Butte Creek	Unit 1: LM 2.08	Butte	MA 5		PL99 Order-1	250	Left Bank	$ 1,000,000	Constr. Complete	DWR				11/10/2006	
38	20051230-037-003	Sac Bypass	So.Levee	Yolo	SMY/DWR	West Sac	PL99 Order-1	75	South Levee	$ 405,000	Constr. Complete	DWR				11/10/2006	
39	20051230-037-004	Sac Bypass	So.Levee	Yolo	SMY/DWR	West Sac	PL99 Order-1	75	South Levee	$ 405,000	Constr. Complete	DWR				11/10/2006	
40	20051230-0017-003	Deer Creek	Unit 1: LM 2.4	Tehama			PL99 Order-1	300	Left Bank Eros.	$ 955,459	Constr. Complete	USCOE		9/5/2006	11/20/2006	12/7/2006	
								10,157		$ 38,611,358							

USACE	$ 12,442,930
DWR	$ 2,888,428
BALMD	$ 23,280,000

2006 PL84-99 ORDER-2 SITES (SR WATERSHED)

Site No.	Designation	Watercourse	Milepost / Marker	County	RD / MA	Primary Beneficiary	CELERP / PL84-99	Approx. Len. (ft)	Repair Type	Est. $$ of Repair	Project Status	Lead Agency	Design Start	Design Complete	Constr Start	Constr Phase I Complete	Constr Phase II Complete
1	20051230-025-008	WPIC	LM 2.56	Yuba	RD 784	Agricultural	PL99 Order-2	60	Pipe Replacement	$ 968,074	Constr. Complete	USCOE		11/3/2006	12/15/2006	12/21/2006	1/10/2007
	20051230-006-010	Sacramento	UNIT 2:	Yolo	RD 150	Agricultural	PL99 Order-2	1753		$ -	B/C < 1.0	DWR					
	20051230-006-013	Sacramento	UNIT 2:	Yolo	RD 150	Agricultural	PL99 Order-2	104		$ -	B/C < 1.0	DWR					
	20051230-006-014	Sacramento	UNIT 2:	Yolo	RD 150	Agricultural	PL99 Order-2	52		$ -	B/C < 1.0	DWR					
	20051230-006-015	Sacramento	UNIT 2:	Yolo	RD 150	Agricultural	PL99 Order-2	256		$ -	B/C < 1.0	DWR					
	20051230-006-018	Sacramento	UNIT 2:	Yolo	RD 150	Agricultural	PL99 Order-2	837		$ -	B/C < 1.0	DWR					
	20051230-006-019	Sacramento	UNIT 2:	Yolo	RD 150	Agricultural	PL99 Order-2	178		$ -	B/C < 1.0	DWR					
	20051230-006-035	Elk Slough	UNIT 3:	Yolo	RD 150	Agricultural	PL99 Order-2	297		$ -	B/C < 1.0	DWR					
	20051230-006-043	Elk Slough	UNIT 3:	Yolo	RD 150	Agricultural	PL99 Order-2	86		$ -	B/C < 1.0	DWR					
	20051230-022-001	Lindsey Slough	UNIT 1: LM 0.083	Solano	RD 2060	Agricultural	PL99 Order-2	439		$ -	B/C < 1.0	DWR					
	20051230-022-013	Lindsey Slough	UNIT 1: LM 0.011	Solano	RD 2060	Agricultural	PL99 Order-2	60		$ -	B/C < 1.0	DWR					
	20051230-022-015	Lindsey Slough	UNIT 1: LM 0.009	Solano	RD 2060	Agricultural	PL99 Order-2	50		$ -	B/C < 1.0	DWR					
	20051230-022-023	Cache Slough	UNIT 3: LM 0.071	Solano	RD 2060	Agricultural	PL99 Order-2	375		$ -	B/C < 1.0	DWR					
	20051230-022-024	Cache Slough	UNIT 3: LM 0.085	Solano	RD 2060	Agricultural	PL99 Order-2	450		$ -	B/C < 1.0	DWR					
	20051230-022-033	Cache Slough	UNIT 3: LM 0.098	Solano	RD 2060	Agricultural	PL99 Order-2	515		$ -	B/C < 1.0	DWR					
	20051230-023-001	Yolo Bypass	Sta.138+35 - 238+22:	Yolo	RD 2068	Agricultural	PL99 Order-2	9987		$ -	B/C < 1.0	DWR					
	20051230-023-002	Yolo Bypass	STATION 154+26	Yolo	RD 2068	Agricultural	PL99 Order-2	100		$ -	B/C < 1.0	DWR					
	20051230-023-003	Yolo Bypass	Sta.124+00 - 143+06	Yolo	RD 2068	Agricultural	PL99 Order-2	100		$ -	B/C < 1.0	DWR					
	20051230-024-001	Yolo Bypass	UNIT 1: LM 1.673	Solano	RD 2098	Agricultural	PL99 Order-2	25		$ -	B/C < 1.0	DWR					
	20051230-024-002	YB Shag Slough	UNIT 1: LM 1.74	Solano	RD 2098	Agricultural	PL99 Order-2	15		$ -	B/C < 1.0	DWR					
	20051230-024-003	Yolo Bypass	UNIT 1: LM 1.767	Solano	RD 2098	Agricultural	PL99 Order-2	80		$ -	B/C < 1.0	DWR					
	20051230-024-004	YB Shag Slough	UNIT 1: LM 1.929	Solano	RD 2098	Agricultural	PL99 Order-2	67		$ -	B/C < 1.0	DWR					
	20051230-024-005	Yolo Bypass	UNIT 1: LM 1.974	Solano	RD 2098	Agricultural	PL99 Order-2	30		$ -	B/C < 1.0	DWR					
	20051230-024-006	YB Shag Slough	UNIT 1: LM 2.01	Solano	RD 2098	Agricultural	PL99 Order-2	48		$ -	B/C < 1.0	DWR					
	20051230-024-007	Cache Slough	UNIT 2: LM 2.177	Solano	RD 2098	Agricultural	PL99 Order-2	84		$ -	B/C < 1.0	DWR					
	20051230-024-008	Cache Slough	UNIT 2: LM 2.2943	Solano	RD 2098	Agricultural	PL99 Order-2	198		$ -	B/C < 1.0	DWR					
	20051230-024-009	Cache Slough	UNIT 2: LM 2.672	Solano	RD 2098	Agricultural	PL99 Order-2	130		$ -	B/C < 1.0	DWR					
	20051230-024-010	Cache Slough	UNIT 2: LM 2.855	Solano	RD 2098	Agricultural	PL99 Order-2	193		$ -	B/C < 1.0	DWR					
	20051230-024-011	Cache Slough	UNIT 2: LM 2.961	Solano	RD 2098	Agricultural	PL99 Order-2	50		$ -	B/C < 1.0	DWR					
	20051230-024-012	Cache Slough	UNIT 2: LM 3.579	Solano	RD 2098	Agricultural	PL99 Order-2	2144		$ -	B/C < 1.0	DWR					
	20051230-024-013	Cache Slough	UNIT 2: LM 5.29	Solano	RD 2098	Agricultural	PL99 Order-2	772		$ -	B/C < 1.0	DWR					
	20051230-024-014	Cache Slough	UNIT 2: LM 5.436	Solano	RD 2098	Agricultural	PL99 Order-2	153		$ -	B/C < 1.0	DWR					
	20051230-024-015	Cache Slough	UNIT 2: LM 5.465	Solano	RD 2098	Agricultural	PL99 Order-2	838		$ -	B/C < 1.0	DWR					
	20051230-024-016	Cache Slough	UNIT 2: LM 5.715	Solano	RD 2098	Agricultural	PL99 Order-2	113		$ -	B/C < 1.0	DWR					
	20051230-024-017	Cache Slough	UNIT 2: LM 5.872	Solano	RD 2098	Agricultural	PL99 Order-2	96		$ -	B/C < 1.0	DWR					
	20051230-024-018	Cache Slough	UNIT 2: LM 5.93	Solano	RD 2098	Agricultural	PL99 Order-2	69		$ -	B/C < 1.0	DWR					
	20051230-024-019	Cache Slough	UNIT 2: LM 5.943	Solano	RD 2098	Agricultural	PL99 Order-2	426		$ -	B/C < 1.0	DWR					
	20051230-024-020	Cache Slough	UNIT 2: LM 6.024	Solano	RD 2098	Agricultural	PL99 Order-2	408		$ -	B/C < 1.0	DWR					
	20051230-024-021	Cache Slough	UNIT 2: LM 7.227	Solano	RD 2098	Agricultural	PL99 Order-2	391		$ -	B/C < 1.0	DWR					
	20051230-024-022	Cache Slough	UNIT 2: LM 7.743	Solano	RD 2098	Agricultural	PL99 Order-2	54		$ -	B/C < 1.0	DWR					
2	20051230-012-001	Yolo Bypass		Yolo	RD 827	Agricultural	PL99 Order-2	60		$ 315,261	Constr. Complete	USACE		10/27/2006	12/2/2006	12/6/2006	
3	20051230-037-002	Sacramento Bypass	UNIT 63A: LM 1.7	Yolo	DWR/SaMY	Agricultural	PL99 Order-2	170		$ 680,000	Constr. Complete	DWR				10/31/2006	
4	20060404-001-011	S.J./Chowchilla		Madera	LSJLD	Agricultural	PL99 Order-2		LB Boil Repair	$ 205,848	Phase I Complete	DWR	In Phase II Design		11/23/2006	12/14/2006	
5	20060404-001-012	S.J./Chowchilla		Madera	LSJLD	Agricultural	PL99 Order-2		LB Boil Repair	$ 207,056	Phase I Complete	DWR	In Phase II Design		11/23/2006	12/14/2006	
6	20060404-001-013	S.J./Chowchilla	UNIT 17:	Madera	LSJLD	Agricultural	PL99 Order-2		LB Boil Repair	$ 139,044	Constr. Complete	DWR				10/31/2006	
7	20060404-007-001	S.J. River	LM 8.15	S.J.	RD 1602	Agricultural	PL99 Order-2	80	LB Boil Repair	$ 449,190	Awaiting Funds	USACE	Design Being Revised				
								370		$ 2,964,473							
										USACE	$ 1,732,525						
										DWR	$ 1,231,948						